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# BRUHAT BANGALORE MAHANAGARA PALIKE

Dasarahalli Zone, Electrical Division

**Detailed Estime for Providing street lights and electrical connection in ward no-12, Shettihalli sub division.**

**Budget Head : P1771**

**Ward No. 12** **Estimate No:-** **For Rs.5,00,000.00**

| Sl No | Description Of Work | Qty | Rate | Unit | Amount |
|---|---|---|---|---|---|
| | **KPWD (Ele) S.R.2014-15** | | | | |
| 1 P.No 22 I.No4.16 | Supplying High pressure sodium vapour street light luminaire 250wsuitable for use with high pressure sodium vapour lamp with integrated control gear and grey colr powder coated. The fitting shall be non corrosive pressure die cast aluminium housing with high purity anodized aluminium housing with EPDM Gaskets suitable for Outer Dia of pole 40 mm -60 mm. Cable entry through a cable gland with toggle clips. IP65 protection for both optical & electrical compartment. Bottom cover may be with poly carbonate/tempered/ toughened glass.Luminaire efficiency should be > 60 % and ambient temperature >35 deg C. High Intensity Discharge electro magnetic ballast with copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Complaince to IEC 61347-2-9 Safety & IEC 60923-Performance. Winding Temperature rise "Tw-130deg C & temperature sise T=70 deg C. Luminaire shall be suitable to operate on 230/250 V 50 Hz AC supply finish including wiring , Ignitor, condenser, SS Toggles for opening front hingeable glass 250 Wattsa) Group 'A' | 47 | 6900 | Each | 324300.00 |
| 2 P.No-108 I.No-17.1.2 | Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe | 42 | 893 | Each | 37506.00 |
| 3 P.No-43 Item No.45 | Supplying and fixing Microprocessor based Astronomical timer Switch with using necessary bolts, nuts and washers etc.,.SR 2010-11 Page No-(43/45) | 5 | 7515 | Each | 37575.00 |
| 4 P.No-44 I.No-6.16.1 | Supplying and fixing miniature circult breakers on existing MCB disribution boards using necessary fixing materials and "C' Type curve, indicator ON/OFF, energy Cross-3 with Short circuit breaking capacity of 10K and complete wiring as required. 5-32 Amps SP | 5 | 418 | Each | 2090.00 |
| 5 P.No-45 I.No-6.12.4 | Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete. Rating:a)100-125 Amps Make : ABB, Siemens, L&T, MG-Enerpact | 5 | 9915 | Each | 49575.00 |
| 6 P.No-50 I.No-6.42.1 | Supply and installation /fixing/Provision of outdoor type thermoplastic modular panel enclousure with transparent polycarbonate lid, shock proof, IP 65( weather proof) rust proof, water proof, corrosin proof having internally embedded gasket on both id and flap suitable to fix. single phase/energy meter in suitable base plate and having a provision for fuse/ MCB cutout with suitable transparent hinged flap opening MCB along with complete tamper proof SEALING facility. 300x300x214mm. | 5 | 4266 | Each | 21330.00 |

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| 7<br>P.No-44<br>I.No-6.7.4 | Supplying and fixinging of porcelain fuse channel with cutout on existing wooden panel using necessary nuts bolts and washers etc. complete.<br>Rating a)100 amps | 5 | 360 | SqCm | 1800.00 |
| 8<br>P.No-49<br>I.No-6.39.1 | Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)50X50X6 mm | 10 | 263 | mtr | 2630.00 |
| 9<br>P.No-17<br>I.No-3.10 | Supplying and fixing hylum brand hand plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F.screws. | 15000 | 0.22 | SqCm | 3300.00 |
| 10<br>P.No-6<br>I.No-2.5.7 | Wiring for lighting /power circuit using one of FRLS PVC insulated 1100v grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS -694 :1990 and confirming to GTP of Group-Aconductor single core wire in open<br>a)16sqmm | 10 | 171 | mtr | 1710.00 |
| 11<br>P.No-55<br>I.No-7..4.5 | Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanized, steel strip confirming to IS-3975:1990 (No of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1998 & confirming GTP of GROUP-A. 3.5 core 25 sqmm | 90 | 165.6 | mtr | 14904.00 |
| 12<br>P.No-61<br>I.No-7.8.6 | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required.II. On wall /Structure<br>25 sqmm to 75 sqmm | 90 | 34.8 | mtr | 3132.00 |
| 13 | | | | | |
| | Miscellaneous | | | | 148.00 |
| | **TOTAL** | | | | **500000.00** |

**(Rs.Five Lakhs Only)**

**CERTIFICATE :-**

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 Rates. Effective from 1-08-2014 , BESCOM SR and KPWD (Ele) S.R.2010-11

Assistant Engineer (Ele)
Dasarahalli Zone, BBMP

Asst. Executive Engineer (Ele)
Dasarahalli Zone, BBMP

EXECUTIVE ENGINEER (ELECL)
Dasarahalli Zone, BBMP

ಸಂ. ಎಇ/DD/AS/49/2015-16 ದಿನಾಂಕ : 04/1/2016

ರೂ. 5:00 Lakhs (Rupees Five lakhs only)

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ಸಂಖ್ಯೆ. ಬೃ.ಬೆಂ.ಮ.ಪಾ : ದಾ.ವ : ತಾಂತ್ರಿಕ :01 / 2015 - 2016
ದಿನಾಂಕ:05/1/2016 ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ರೂ.5:00 Lakh
ಅಕ್ಷರದಲ್ಲಿ Five lakhs only
ಗಳಿಗೆ ಮಾಜ್ರ 2014 - 2015 ನೇ ಸಾಲಿನ ವರಗಳ ಪಟ್ಟಿಯಂತೆ ತಾಂತ್ರಿಕ
ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು-57.